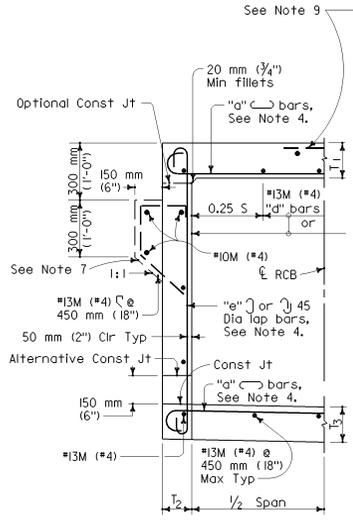
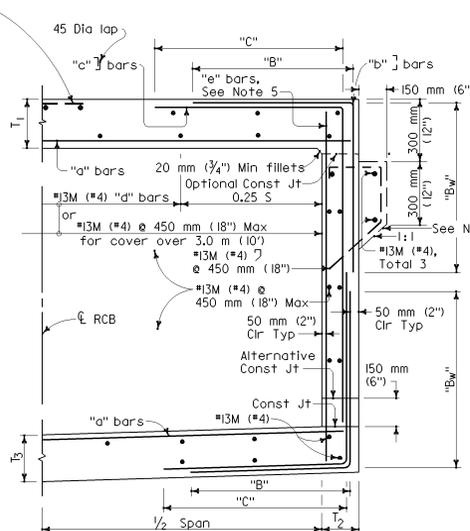


DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
					
July 1, 2002 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness or electronic copies of this plan sheet.</small>					
<small>Caltrans now has a web site! To get to the web site, go to <a href="https://www.dot.ca.gov">https://www.dot.ca.gov</a></small>					

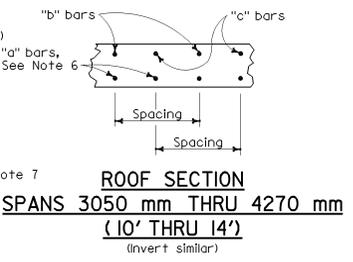
2002 DUAL UNITS STD PLAN D80A



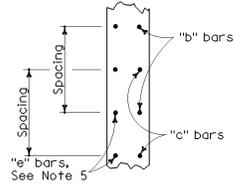
**TYPICAL SECTION**  
**SPANS 1220 mm THRU 2440 mm**  
**(4' THRU 8')**



**TYPICAL SECTION**  
**SPANS 3050 mm THRU 4270 mm**  
**(10' THRU 14')**



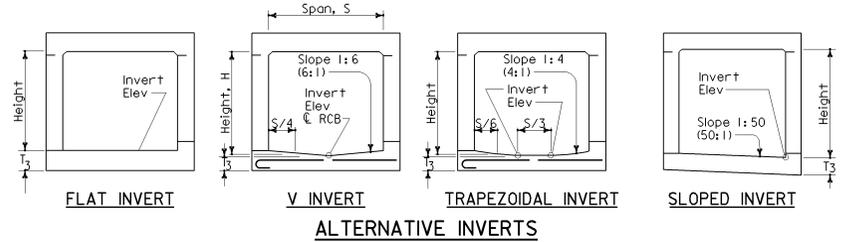
**ROOF SECTION**  
**SPANS 3050 mm THRU 4270 mm**  
**(10' THRU 14')**  
 (invert similar)



**WALL SECTION**  
**SPANS 3050 mm THRU 4270 mm**  
**(10' THRU 14')**

**NOTES**

1. For boxes with span or height less than any of those shown in table, use next greater size box concrete dimensions and reinforcement. Make necessary changes in bar lengths and quantities.
2. Quantities are approximate and for design purposes only.
3. For boxes with span or height or cover greater than those shown in tables, a special design is required.
4. It is permissible to eliminate the 180° hooks on every other bar.
5. "e" bars are at half spacing, spans 3050 mm - 4270 mm (10' - 14') only.
6. "a" bars are at half spacing, spans 3050 mm - 4270 mm (10' - 14') only.
7. Provide paving notch when top is exposed and when pavement is portland cement concrete, and adjust quantities.
8. For design and details not shown, see Standard Plan D82.
9. For exposed top, provide #13M (#4) @ 450 mm (18") each way, 600 mm (2') lap "c" bars of full span and adjust.



**ALTERNATIVE INVERTS**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CAST-IN-PLACE  
 REINFORCED CONCRETE  
 SINGLE BOX CULVERT**

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

**D80A**